

Abstract of **JP57081168**

PURPOSE: To improve an efficiency of energy conversion by providing several fluid units which is composed of a fluid cylinder and a rectifying circuit made up of several check valves and disposing the units in such an arrangement as to discharge fluids against an advancing direction of waves. **CONSTITUTION:** Each double acting hydraulic cylinder 2 is driven by power sources of floating bodies or pressure plates which coincide with each other by a wave energy. Pipes 2a, 2a extending from the cylinder 2 are connected to a jet nozzle 5 and a valve circuit made up by several check valves 4 is disposed on the way of the connection. Each of several hydraulic units 6, which is opposed to the jet nozzle 5 and connected with a supply pipe 8 running from a liquid supply source 7, is used for the valve circuit 3. Those arrangement is made in such a manner that they emit liquids to a driving mechanism 10 in an equivalent phase of distributions in quantity. The floating body 11 of a specified length, oriented to an advancing direction of waves, is moored by an anchor mechanism 12, as required. The pressure plates 1 are rowed on both sides of the floating body, reciprocally rocking with a certain phase difference with respect to a back and forth motion by wave pressures. Those rockings trigger the double acting hydraulic cylinders 2 on the floating body 11 to operate a driving mechanism 10 inside a mechanism chamber 15.

